THE CANADIAN VETERINARY JOURNAL

VOLUME XIX

JANUARY TO DECEMBER, 1978

AUTHOR INDEX

ABDOU, M.S.S., 340
ADAMS, W.M., 175
ARMSTRONG, K.R., 331

BARKER, I.K., 320
BARNARD, T., 17
BARNUM, D.A., 83, 113, 181
BARTH, A.D., 175
BASRUR, P.K., 198
BATES, F.Y., 72, 267, 310
BEHRENS, J.C., 72, 267, 310
BENN, D.M., 221
BERNARD, M.A., 284
BIBB, T.L., 150
BIDE, R.W., 344
BLACK, F., 22
BROCKMAN, R.P., 55
BROWN, R.G., 10
BRUNER, R.R., 10
BUNDZA, A., 322
BURT, A.D., 347

CALLAGHAN, B., 90
CARLSON, H.C., 187, 226
CAYOUETTE, P., 13
CELERIN, A.J., 46
CHRISTENSEN, D.A., 331
CHURCH, T.L., 110
CLARK, M.H., 260
COLLING, D.T., 279
COPELAND, D.D., 29
COTE, J.F., 155, 184
CREIGHTON, S.R., 341
CURTIS, R.A., 155, 250

D'AOUST, J.Y., 99
DAOUST, P.Y., 133
DEFOREST, M.E., 198
DENT, J.W., 10
DEROTH, L., 248
DEWITT, W.F., 123
DIES, K.H., 315
DION, W.M., 44, 203
DOIGE, C.E., 230, 304
DORWARD, W.J., 214
DUKES, T.W., 322

EGER, C.E., 198
ELLIS, S.E., 347

FAHMI, H., 340
FARROW, C.S., 24, 230
FAST, H., 101
FATHALLA, M., 340
FINLEY, G.G., 260
FISH, N.A., 83
FLETCH, S.M., 22

GAGNON, A.N., 204, 346
GALLOWAY, G.E., 293
GAMMIE, J.S., 347
GENTRY, P.A., 221
GIEBELHAUS, E.D., 279
GIPP, W.F., 72
GOLTZ, J., 95
GREENWAY, J.A., 264
GROSS, W.B., 150
GUDMUNDSON, J., 304
GUNSON, J.R., 214
GWAZDAUSKAS, F.C., 150

HAIGH, J.C., 138
HAWKES, A.B., 40
HAYES, M.A., 341
HIDIROGLOU, M., 105
HIGGINS, R., 13
HUDSON, M., 139
HUNTER, D.B., 133
HUTCHISON, J.A., 324

IDE, P.R., 123

JANZEN, E.D., 110, 335
JOHNSTONE, I.B., 221
JOY, C.L., 254
JUCK, F.A., 75
JULIAN, R.J., 107, 226

KEMTRUP, M.E., 29
KIERSTEAD, M., 204
KING, G.J., 90
KIRBY, D.R., 12, 46
KIRBY, K.L., 250
KRAAY, G.J., 279
KURTZ, H.J., 72, 267, 310

LAMOTHE, P., 3, 143
LAWSON, K.F., 63
LEE, E.H., 174, 237
LEVOY, R.P., 27, 140
LITTLE, P.B., 33
LONG, J.R., 260
LORD, L.H., 180
LUCZAK, P.V., 46

MACKAY, C.A., 299
MACNEILL, A.C., 17
MANNS, J.C., 175
MARTIN, L.J.F., 331
MARTIN, S.W., 250
MAYHEW, I.G., 128
MCGILLIARD, M.L., 150
MCLENNAN, M.C., 155
MEAGHER, D.M., 128
MEARS, R.H., 1, 173
MÉNARD, L., 3, 143
MILLER, R.B., 63
MIROCHA, C.J., 72, 267, 310
MITCHELL, L.H., 10

NATION, P.N., 194, 315
NEWSCHWANDER, F.P., 264

ONDERKA, D.K., 237
ONONIWU, J.C., 107, 226
OYETUNDE, O.O.F., 187

PALMER, N.C., 204
PANANGALA, V.S., 83, 113
PARKER, W.M., 317
PATTERSON, J.M., 254
PENNOCK, P.W., 79
PITT, A.M., 46
POVEY, R.C., 207, 289
PRESCOTT, J.F., 181, 226
PULS, R., 264

RADOSTITS, O.M., 304
RAWLINGS, N.C., 175
REHMTULLA, A.J., 260
ROBISON, T.S., 72, 272, 310
ROSSDALE, P.D., 327
ROWE, R.C., 155

SAINT-PIERRE, H., 3, 143
SANDALS, W.C.D., 136
SANFORD, S.E., 234
SCHOWALTER, D.B., 214
SCHULTE-NORDHOLT, J.A., 123
SCHULTZ, R.H., 29
SEILER, R.J., 79
SHEWEN, P.E., 289
SIVENDRA, R., 181
SLOCOMBE, J.O.D., 184, 244
SMART, J.F., 155
SMART, M.E., 22, 230
SMITH, H.J., 40
SMITH, J.D., 123
SMITH, L.L., 75
SMITH, M.W., 63
SPEARMAN, J.G., 33
SPECKMANN, G., 44
STEVENSON, R.G., 159
SVOBODA, I., 63

THERIEN, A., 248
THOMSON, G.W., 320, 346
THOMSON, R.G., 187

VAN EE, D., 101
VANCE, H.N., 179

WEAVER, G.A., 72, 267, 310
WEBER, L.J., 21
WENKOFF, M.S., 277
WHITE, M.E., 79
WILSON, M.R., 289

THE CANADIAN VETERINARY JOURNAL

VOLUME XIX

JANUARY TO DECEMBER, 1978

AUTHOR INDEX

ABDOU, M.S.S., 340
ADAMS, W.M., 175
ARMSTRONG, K.R., 331

BARKER, I.K., 320
BARNARD, T., 17
BARNUM, D.A., 83, 113, 181
BARTH, A.D., 175
BASRUR, P.K., 198
BATES, F.Y., 72, 267, 310
BEHRENS, J.C., 72, 267, 310
BENN, D.M., 221
BERNARD, M.A., 284
BIBB, T.L., 150
BIDE, R.W., 344
BLACK, F., 22
BROCKMAN, R.P., 55
BROWN, R.G., 10
BRUNER, R.R., 10
BUNDZA, A., 322
BURT, A.D., 347

CALLAGHAN, B., 90
CARLSON, H.C., 187, 226
CAYOUETTE, P., 13
CELERIN, A.J., 46
CHRISTENSEN, D.A., 331
CHURCH, T.L., 110
CLARK, M.H., 260
COLLING, D.T., 279
COPELAND, D.D., 29
COTE, J.F., 155, 184
CREIGHTON, S.R., 341
CURTIS, R.A., 155, 250

D'AOUST, J.Y., 99
DAOUST, P.Y., 133
DEFOREST, M.E., 198
DENT, J.W., 10
DEROTH, L., 248
DEWITT, W.F., 123
DIES, K.H., 315
DION, W.M., 44, 203
DOIGE, C.E., 230, 304
DORWARD, W.J., 214
DUKES, T.W., 322

EGER, C.E., 198
ELLIS, S.E., 347

FAHMI, H., 340
FARROW, C.S., 24, 230
FAST, H., 101
FATHALLA, M., 340
FINLEY, G.G., 260
FISH, N.A., 83
FLETCH, S.M., 22

GAGNON, A.N., 204, 346
GALLOWAY, G.E., 293
GAMMIE, J.S., 347
GENTRY, P.A., 221
GIEBELHAUS, E.D., 279
GIPP, W.F., 72
GOLTZ, J., 95
GREENWAY, J.A., 264
GROSS, W.B., 150
GUDMUNDSON, J., 304
GUNSON, J.R., 214
GWAZDAUSKAS, F.C., 150

HAIGH, J.C., 138
HAWKES, A.B., 40
HAYES, M.A., 341
HIDIROGLOU, M., 105
HIGGINS, R., 13
HUDSON, M., 139
HUNTER, D.B., 133
HUTCHISON, J.A., 324

IDE, P.R., 123

JANZEN, E.D., 110, 335
JOHNSTONE, I.B., 221
JOY, C.L., 254
JUCK, F.A., 75
JULIAN, R.J., 107, 226

KEMTRUP, M.E., 29
KIERSTEAD, M., 204
KING, G.J., 90
KIRBY, D.R., 12, 46
KIRBY, K.L., 250
KRAAY, G.J., 279
KURTZ, H.J., 72, 267, 310

LAMOTHE, P., 3, 143
LAWSON, K.F., 63
LEE, E.H., 174, 237
LEVOY, R.P., 27, 140
LITTLE, P.B., 33
LONG, J.R., 260
LORD, L.H., 180
LUCZAK, P.V., 46

MACKAY, C.A., 299
MACNEILL, A.C., 17
MANNS, J.C., 175
MARTIN, L.J.F., 331
MARTIN, S.W., 250
MAYHEW, I.G., 128
MCGILLIARD, M.L., 150
MCLENNAN, M.C., 155
MEAGHER, D.M., 128
MEARS, R.H., 1, 173
MÉNARD, L., 3, 143
MILLER, R.B., 63
MIROCHA, C.J., 72, 267, 310
MITCHELL, L.H., 10

NATION, P.N., 194, 315
NEWSCHWANDER, F.P., 264

ONDERKA, D.K., 237
ONONIWU, J.C., 107, 226
OYETUNDE, O.O.F., 187

PALMER, N.C., 204
PANANGALA, V.S., 83, 113
PARKER, W.M., 317
PATTERSON, J.M., 254
PENNOCK, P.W., 79
PITT, A.M., 46
POVEY, R.C., 207, 289
PRESCOTT, J.F., 181, 226
PULS, R., 264

RADOSTITS, O.M., 304
RAWLINGS, N.C., 175
REHMTULLA, A.J., 260
ROBISON, T.S., 72, 272, 310
ROSSDALE, P.D., 327
ROWE, R.C., 155

SAINT-PIERRE, H., 3, 143
SANDALS, W.C.D., 136
SANFORD, S.E., 234
SCHOWALTER, D.B., 214
SCHULTE-NORDHOLT, J.A., 123
SCHULTZ, R.H., 29
SEILER, R.J., 79
SHEWEN, P.E., 289
SIVENDRA, R., 181
SLOCOMBE, J.O.D., 184, 244
SMART, J.F., 155
SMART, M.E., 22, 230
SMITH, H.J., 40
SMITH, J.D., 123
SMITH, L.L., 75
SMITH, M.W., 63
SPEARMAN, J.G., 33
SPECKMANN, G., 44
STEVENSON, R.G., 159
SVOBODA, I., 63

THERIEN, A., 248
THOMSON, G.W., 320, 346
THOMSON, R.G., 187

VAN EE, D., 101
VANCE, H.N., 179

WEAVER, G.A., 72, 267, 310
WEBER, L.J., 21
WENKOFF, M.S., 277
WHITE, M.E., 79
WILSON, M.R., 289

THE CANADIAN VETERINARY JOURNAL

VOLUME XIX

JANUARY TO DECEMBER, 1978

SUBJECT INDEX

ACV, *voyez* **CVMA**

Anatomy

Cheval dans la sculpture grecque. Hidiroglou, M., 105

Avian Species

Aerosol exposure of ammonia, dust and *Escherichia coli* in broiler chickens. Oyetunde, O.O.F., Thomson, R.G. and Carlson, H.C., 187

Broiler-breeder vaccination against infectious bursal disease and persistence of maternal antibody in progeny. Ide, P.R., Schulte-Nordholt, J.A., DeWitt, W.F. and Smith, J.D., 123

Clinical coccidiosis. Weber, L.J., 21

Drug resistance in avian coccidia. Lee, Eng-Hong, 174

Incidence of clinical coccidiosis in chickens in the Ontario Veterinary Services Branch records 1973-1977. Lee, Eng-Hong and Onderka, D.K., 237

Mortality in mute swans in southern Ontario associated with infestation with the thorny-headed worm, *Polymorphus boschadis*. Sanford S.E., 234

Necropsy results in free-flying and captive *Anatidae* in British Columbia. MacNeill, A.C. and Barnard, T., 17

Poultry diseases diagnosed in Canadian laboratories for the year 1976, 119

Ulcerative enteritis caused by *Clostridium colinum* in chickens. Ononiwu, J.C., Prescott, J.F., Carlson, H.C. and Julian, R.J., 226

Use of bacitracin in the prevention and treatment of experimentally-induced necrotic enteritis in the chicken. Prescott, J.F., Sivendra, R. and Barnum, D.A., 181

Book Reviews

Abomasal Secretion and Motility in Sheep. J. Van Bruchem, 321

Animal Care from Protozoa to Small Animals. F. Barbara Orlans, 9

Animal Physiologic Surgery. C. Max Lang, 243

Atlas of Veterinary Ophthalmic Surgery. S.I. Bistner, G. Aguirre and G. Batik, 98

Blood of Sheep, The. Composition and Function. Edited by M.H. Blunt, 213

Carlson's Veterinary Radiology. Third Edition. E.L. Gillette, D.E. Thrall, J.L. Lebel and L.A. Corwin Jr., 78

Comparative Animal Nutrition. 1. Carbohydrates, Lipids and Accessory Growth Factors. Edited by M. Rechcigl Jr., 48

Comparative Animal Nutrition. 2. Nutrient Elements and Toxicants. Edited by M. Rechcigl Jr., 39

Domestic Animals of Nepal, The. H. Epstein, 127

Feedlot-2nd Edition, The. Edited by I.A. Dyer and C.C. O'Mary, 141

Fundamentals of Nutrition. Second Edition. L.E. Lloyd, B.E. McDonald and E.W. Crampton, 236

Horse, The. J.W. Evans, A. Borton, H.F. Hintz and L.D. Van Vleck, 49

Horse Owner's Handbook. L.S. McKibbin, 43

Horseshoeing Theory and Hoof Care. L. Emery, J. Miller and N. Van Hoosen, 253

Introduction to Veterinary Immunology, An. I.R. Tizard, 339

Introduction to Veterinary Pharmacology, An. Third Edition. F. Alexander, 50

Laboratory Anatomy of the Cat. Sixth Edition. R.B. Chiasson and E.S. Booth, 62

Management and Diseases of Dairy Goats. S.B. Guss, 163

Oligo-éléments, Les. M. Lamand, 183

Pathogenesis of Infectious Disease, The. C.A. Mims, 47

Pathophysiology of Parasitic Infection. Edited by E.J. Soulsby, 132

Pediatric Respiratory Intensive Care Handbook. R.M. Levin, 225

Physical Therapy for Animals. Selected Techniques. Ann H. Downer, 303

Physiologie, Pharmacologie, Therapeutique Animales. Y. Ruckebush, 52

Poultry Diseases. R.F. Gordon, 43

Poultry Meat Hygiene and Inspection. A.S. Bremner, 51

Précis de maréchalerie. P. D'Autheville et P. Fromond, 12

Proceedings of the Twentieth Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians, 263

Radiographic Diagnosis of Abdominal Disorders in The Dog and Cat. T.R. O'Brien, 325

Rooney's Guide to the Dissection of the Horse. W.O. Sack and R.E. Habel, 106

Strongylus vulgaris in the Horse: Its Biology and Veterinary Importance. C.P. Ogbourne and J.L. Duncan, 16

Tumours in Domestic Animals, Second Edition Revised. Edited by J.E. Moulton, 314

UFAW Handbook on the Care and Management of Laboratory Animals, The. Fifth Edition. Edited by UFAW, 186

Veterinary Annual 17th Issue, The. Edited by C.S.G. Grunsell and F.W.F. Hill, 53

Veterinary Laboratory Manual. First Edition. B.M. Bush, 220

Veterinary Neuroanatomy and Clinical Neurology. Alexander de Lahunta, 205

Bovine, *see* **Cattle**

Canadian Veterinary Medical Association
Euthanasia of Dogs and Cats: A statement by the Humane Practices Committee of the CVMA, 164
Euthanasie des chiens et des chats: Un exposé préparé par le Comité des Pratiques Humanitaires de l'ACV, 168
Message du Président, Mears, R.H., 1
President's Message, Mears, R.H., 1

Cats
Coenurus in the brain of a cat. Hayes, M.A. and Creighton, S.R., 341
Euthanasia of dogs and cats: A statement by the Humane Practices Committee of the Canadian Veterinary Medical Association/L'Euthanasie des chiens et des chats: Un exposé préparé par le Comité des Pratiques Humanitaires de l'Association canadienne des vétérinaires, 164
Feline chlamydial infection. Shewen, P.E., Povey, R.C. and Wilson, M.R., 289
Feline urological syndrome: A study of seasonal incidence, frequency of repeat visits and comparison of treatments. Bernard, M.A., 284
Progestogen therapy for certain skin diseases of cats. Hutchison, J.A., 324
Reproduction in the pedigree female cat. A survey of breeders. Povey, R.C., 207
Some heterotopic tissue remnants in domestic animals. Bundza, A. and Dukes, T.W., 322
Use of Fungassay medium in the diagnosis of ringworm. Dion, W.M., 203

Cattle
Acute salt poisoning in cattle. Sandals, W.C.D., 136
Antibiotic resistance patterns of organisms isolated from cervico-vaginal mucus of cows. Panangala, V.S. and Barnum, D.A., 113
Antibody titers and plasma glucocorticoid concentrations near weaning in steer and heifer calves. Gwazdauskas, F.C., Gross, W.B., Bibb, T.L. and McGilliard, M.L., 150
Atlanto-axial subluxation in five young cattle. White, M.E., Pennock, P.W. and Seiler, R.J., 79
Bartholin gland cyst in the cow. Fathalla, M., Abdou, M.S.S. and Fahmi, H., 340
Bluetongue in cattle: A review. Goltz, J., 95
Case of unrelated twins in cattle. Kraay, G.J., Giebelhaus, E.D. and Colling, D.T., 279
Cyanide poisoning from *Glyceria grandis* S. Wats. *ex* Gray (tall mannagrass) in a British Columbia beef herd. Puls. R., Newschwander, F.P. and Greenway, J.A., 264
Efficacy of an intranasal infectious bovine rhinotracheitis vaccine for the prevention of abortion in cattle. Smith, M.W., Miller, R.B., Svoboda, I. and Lawson, K.F., 63
Feeding and management in Saskatchewan dairy herds classified according to milk production level. Martin, L.J.F., Christensen, D.A. and Armstrong, K.R., 331
Induction of abortion in feedlot heifers with cloprostenol (a synthetic analogue of prostaglandin $F_{2\alpha}$): A dose response study. Copeland, D.D., Schultz, R.H. and Kemtrup, M.E., 29
Induction of parturition in beef cattle using estrogens in conjunction with dexamethasone. Barth, A.D., Adams, W.M., Manns, J.C. and Rawlings, N.C., 175
Japanese yew (*Taxus cuspidata*) poisoning in cattle. Thomson, G.W. and Barker, I.K., 320
Left abomasal displacement in dairy cows: Its relationship to production. Martin, S.W., Kirby, K.L. and Curtis, R.A., 250
Les affections de la caillette chez la vache laitière au Québec I. Revue de littérature, diagnostic différentiel et correction chirurgicale. Saint-Pierre, H., Lamothe, P. et Ménard, L., 3
Les affections de la caillette chez la vache laitière au Québec II. Étude rétrospective de 1000 cas. Ménard, L., Saint-Pierre, H. et Lamothe, P., 143
Metabolic profiles of beef cattle — the literature contains many studies and a great deal of data. Bide, R.W., 344
Microflora of the cervico-vaginal mucus of repeat breeder cows. Panangala, V.S., Fish, N.A. and Barnum, D.A., 83
Partial metabolic profile in a beef cow herd in which clinical hypocalcemia occurred. Church, T.L., Bruner, R.R. and Janzen, E.D., 110
Phycomycotic meningoencephalitis in a neonatal calf. Juck, F.A. and Smith, L.L., 75
Pulmonary thromboembolism in cattle due to thrombosis of the posterior vena cava associated with hepatic abscessation. Gudmundson, J., Radostits, O.M. and Doige, C.E., 304
Relationship of methods of treatment to relapse rate and serum levels of calcium and phosphorous in parturient hypocalcaemia. Curtis, R.A., Cote, J.F., McLennan, M.C., Smart, J.F. and Rowe, R.C., 155
Serological diagnosis of leptospirosis in the province of Quebec. Higgins, R. and Cayouette, P., 13
Some heterotopic tissue remnants in domestic animals. Bundza, A. and Dukes, T.W., 322
Some observations on reproductive performance in beef cattle in western Canada. Janzen, E., 335
Surgical treatment of upper esophageal obstruction in the bovine. Meagher, D.M. and Mayhew, I.G., 128
Therapeutic evaluation of the use of prostaglandin analog ICI80996 in cattle. Wenkoff, M.S., 277
Tibial hypoplasia in a calf. Doige, C.E., Farrow, C.S. and Smart, M.E., 230

Congenital Defects
Congenital absence of jejunum and ileum in two neonatal Alaskan Malamute pups. Smart, M.E., Fletch, S.M. and Black, F., 22
Hereditary cerebellar neuronal abiotrophy in a Kerry Blue terrier dog. DeForest, M.E., Eger, C.E. and Basrur, P.K., 198

Diseases
Abortion in cattle, efficacy of an intranasal infectious bovine rhinotracheitis vaccine for the prevention of. Smith, M.W., Miller, R.B., Svoboda, I. and Lawson, K.F., 63
Abortion in feedlot heifers with cloprostenol (a synthetic analogue of prostaglandin $F_{2\alpha}$), induction of. Copeland, D.D., Schultz, R.H. and Kemtrup, M.E., 29
Affections de la caillette chez la vache laitière au Quebec I. Revue de littérature, diagnostic

différentiel et correction chirurgicale. St-Pierre, H., Lamothe, P. et Ménard, L., 3
Affections de la caillette chez la vache laitière au Quebec II. Étude rétrospective de 1000 cas. Ménard, L., St-Pierre, H. et Lamothe, P., 143
Atlanto-axial subluxation in five young cattle. White, M.E., Pennock, P.W. and Seiler, R.J., 79
Avian coccidia, drug resistance in. Lee, Eng-Hong, 174
Bartholin gland cyst in the cow. Fathalla, M., Abdou, M.S.S. and Fahmi, H., 340
Bluetongue in cattle. Goltz, J., 95
Brucellosis and wildlife. Hudson, M., 139
Canine otis externa caused by the fungus *Sporothrix schenkii*. Dion, W.M. and Speckmann, G., 44
Classic hemophilia (Hemophilia A) in a family of Collies. Benn, D.M., Gentry, P.A. and Johnstone, I.B., 221
Coccidioïdomycose squelettique chez un chien Collie. Robinson, Y., 272
Coccidiosis, clinical. Weber, L.J., 21
Double intussusception in a dog, short bowel syndrome following surgical correction of a. Joy, C.L. and Patterson, J.M., 254
Epistaxis of gutteral pouch origin in horses. Nation, P.N., 194
Feline chlamydial infection. Shewen, P.E., Povey, R.C. and Wilson, M.R., 289
Feline urological syndrome: a study of seasonal incidence, frequency of repeat visits and comparison of treatments. Bernard, M.A., 284
Gastroenteritis associated with a parvovirus-like agent, canine. Thomson, G.W. and Gagnon, A., 346
Hyperadrenocorticism in dogs. Spearman, J.G. and Little, P.B., 33
Infectious bursal disease and persistency of maternal antibody in progeny, broiler-breeder vaccination against. Ide, P.R., Schulte-Nordholt, J.A., DeWitt, W.F. and Smith, J.D., 123
Left abomosal displacement in dairy cows: its relationship to production. Martin, S.W., Kirby, K.L. and Curtis, R.A., 250
Leptospirosis in the province of Quebec, serological diagnosis of. Higgins, R. and Cayouette, P., 13
Maedi-visna virus infection in rams in Nova Scotia. Stevenson, R.G., 159
Necrotic enteritis in the chicken, the use of bacitracin in the prevention and treatment of experimentally-induced. Prescott, J.F., Sivendra, R. and Barnum, D.A., 181
Ovine abortion due to chlamydia in Ontario. Palmer, N.C., Gagnon, A.N. and Kierstead, M., 204
Ovine fetal infection due to *Salmonella arizonae*. Long, J.R., Finley, G.G., Clark, M.H. and Rehmtulla, A.J., 260
Partial metabolic profile in a beef cow herd in which clinical hypocalcemia occurred. Church, T.L., Bruner, R.R. and Janzen, E.D., 110
Parturient hypocalcaemia, relationship of methods of treatment to relapse rate and serum levels of calcium and phosphorus in. Curtis, R.A., Cote, J.F., McLennan, M.C., Smart, J.F. and Rowe, R.C., 155
Pemphigus vulgaris in a Border Collie. Parker, W.M., 317
Phycomycotic meningoencephalitis in a neonatal calf. Juck, F.A. and Smith, L.L., 75
Pulmonary thromboembolism in cattle due to thrombosis of the posterior vena cava associated with hepatic abscessation. Gudmundson, J., Radostits, O.M. and Doige, C.E., 304
Rabies control in skunks in Alberta, evaluation. Gunson, J.R., Dorward, W.J. and Schowalter, D.B., 214
Ringworm, use of Fungassay medium in the diagnosis. Dion, W.M., 203
Salt poisoning in cattle, acute. Sandals, W.C.D., 136
Skin diseases of cats, progestogen therapy for certain. Hutchison, J.A., 324
Tibial hypoplasia in a calf. Doige, C.E., Farrow, C.S. and Smart, M.E., 230
Tyzzer's disease in an Ontario rabbitry, an outbreak of. Ononiwu, J.C. and Julian, R.J., 107
Ulcerative enteritis caused by *Clostridium colinum* in chickens. Ononiwu, J.C., Prescott, J.F., Carlson, H.C. and Julian, R.J., 226
Upper esophageal obstruction in the bovine, the surgical treatment of. Meagher, D.M. and Mayhew, I.G., 128

Disease Statistics

Incidence of clinical coccidiosis in chickens in the Ontario Veterinary Services branch records 1973-1977. Lee, Eng-Hong and Onderka, D.K., 237
Poultry diseases diagnosed in Canadian laboratories for the year 1976, 119
Necropsy results in free-flying and captive *Anatidae* in British Columbia. MacNeill, A.C. and Barnard, T., 17

Dogs

Canine gastroenteritis associated with a parvovirus-like agent. Thomson, G.W. and Gagnon, A., 346
Canine otis externa caused by the fungus *Sporothrix schenkii*. Dion, W.M. and Speckmann, G., 44
Case of tick paralysis in a dog. Burt, A.D., Gammie, J.S. and Ellis, S.E., 347
Classic hemophilia (Hemophilia A) in a family of Collies. Benn, D.M., Gentry, P.A. and Johnstone, I.B., 221
Coccidioïdomycose squelettique chez un chien Collie. Robinson, Y., 272
Congenital absence of jejunum and ileum in two neonatal Alaskan Malamute pups. Smart, M.E., Fletch, S.M. and Black, F., 22
Euthanasia of dogs and cats: A statement by the Humane Practices Committee of the Canadian Veterinary Medical Association/L'Euthanasie des chiens et des chats: un exposé préparé par le Comité des Pratiques Humanitaires de l'Association canadienne des vétérinaires, 164
Heartworm in dogs in Canada in 1977. Slocombe, J.O.D., 244
Hereditary cerebellar neuronal abiotrophy in a Kerry Blue terrier dog. DeForest, M.E., Eger, C.E. and Basrur, P.K., 198
Hyperadrenocorticism in dogs: A study of eight cases. Spearman, J.G. and Little, P.B., 33
Maternal-fetal evaluation in suspected canine dystocia: A radiographic prospective. Farrow, C.S., 24

Pemphigus vulgaris in a Border Collie. Parker, W.M., 317
Short bowel syndrome following surgical correction of a double intussusception in a dog. Joy, C.L. and Patterson, J.M., 254
Use of Fungassay medium in the diagnosis of ringworm. Dion, W.M., 203

Equine, *see* Horses

Feline, *see* Cats

Genetics
Unrelated twins in cattle. Kraay, G.J., Giebelhaus, E.D. and Colling, D.T., 279

Horses
Capillaria hepatica in a horse. Nation P.N. and Dies, K.H., 315
Electrode-saddle for electrocardiogram recording in large animals. DeRoth, L. and Therien, A., 248
Epistaxis of guttural pouch origin in horses: Pathology of three cases. Nation, P.M., 194
Evaluation of cambendazole paste against nematodes in horses in a field trial. Slocombe, J.O.D. and Cote, J.F., 184
Le cheval dans la sculpture grecque. Hidiroglou, M., 105
Use of Fungassay medium in the diagnosis of ringworm. Dion, W.M., 203

Immunology
Intranasal infectious bovine rhinotracheitis vaccine for the prevention of abortion in cattle, efficacy of. Smith, M.E., Miller, R.B., Svoboda, I. and Lawson, K.F., 63
Plasma glucocorticoid concentrations near weaning in steer and heifer calves, antibody titers and. Gwazdauskas, F.C., Gross, W.B., Bibb, T.L. and McGilliard, M.L., 150
Vaccination against infectious bursal disease and persistence of maternal antibody in progeny, broiler-breeder. Ide, P.R., Schulte-Nordholt, J.A., DeWitt, W.F. and Smith, J.D., 123

Laboratory Animals
Spontaneous aleutian disease in ferrets. Daoust, P.Y. and Hunter, D.B., 133

Letters to the Editor
Abuse of wildlife immobilizing drugs. Haigh, J.C., 138
Brucellosis and wildlife. Hudson, M., 139
Canadian Veterinary Medical Association — democracy or oligarchy? Kirby, D.R., McNabb, R.F., Celerin, A.J., Luczak, P.V. and Pitt, A.M., 46
Canadian Veterinary Medical Association — democracy or oligarchy: A member comments. Lord, L.H., 180
Canadian Veterinary Medical Association — democracy or oligarchy: A reply. Vance, H.N., 197
Canadian Veterinary Medical Association — democracy or oligarchy: A reply from the president. Mears, R.H., 173
Canine gastroenteritis associated with a parvovirus-like agent. Thomson, G.W. and Gagnon, A.N., 346
Case of tick paralysis in a dog. Burt, A.D., Gammie, J.S. and Ellis, S.E., 347
Clinical coccidiosis. Weber, L.J., 21
Comment on manpower. Kirby, D.R., 12
Drug resistance in avian coccidia. Lee, Eng-Hong, 174
Metabolic profiles of beef cattle — The literature contains many studies and a great deal of data. Bide, R.W., 344
Ovine abortion due to chlamydia in Ontario. Palmer, N.C., Gagnon, A.N. and Kierstead, M., 204
Partial metabolic profile in a beef cow herd in which clinical hypocalcemia occurred. Church, T.L., Brunner, R.R. and Janzen, E.D., 110
Progestogen therapy for certain skin diseases of cats. Hutchison, J.A., 324
Use of Fungassay medium in the diagnosis of ringworm. Dion, W.M., 203

Microbiology
Aleutian disease in ferrets, spontaneous. Daoust, P.Y. and Hunter, D.B., 133
Ammonia, dust and *Escherichia coli* in broiler chickens, aerosol exposure of. Oyetunde, O.O.F., Thomson, R.G. and Carlson, H.C., 187
Bacitracin in the prevention and treatment of experimentally-induced necrotic enteritis in the chicken, the use of. Prescott, J.F., Sivendra, R. and Barnum, D.A., 181
Bluetongue in cattle. Goltz, J., 95
Brucellosis and wildlife. Hudson, M., 139
Canine gastroenteritis associated with a parvovirus-like agent. Thomson, G.W. and Gagnon, A., 346
Cervico-vaginal mucus of cows, antibiotic resistance patterns of organisms isolated from. Panangala, V.S. and Barnum, D.A., 113
Cervico-vaginal mucus of repeat breeder cows, microflora of the. Panangala, V.S., Fish, N.A. and Barnum, D.A., 83
Chlamydia in Ontario, ovine abortion due to. Palmer, N.C., Gagnon, A. and Kierstead, M., 204
Chlamydial infection, feline. Shewen, P.E., Povey, R.C. and Wilson, M.R., 289
Clinical coccidiosis in chickens in the Ontario Veterinary Services branch records 1973-1977, incidence of. Lee, Eng-Hong and Onderka, D.K., 237
Clostridium colinum in chickens, ulcerative enteritis caused by. Ononiwu, J.C., Prescott, J.F., Carlson, H.C. and Julian, R.J., 226
Coccidioïdomycose squelettique chez un chien Collie. Robinson, Y., 272
Evaluation of rabies control in skunks in Alberta. Gunson, J.R., Dorward, W.J. and Schowalter, D.B., 214
Infectious bursal disease and persistence of maternal antibody in progeny, broiler-breeder vaccination against. Ide, P.R., Schulte-Nordholt, J.A., DeWitt, W.F. and Smith, J.D., 123
Intranasal infectious bovine rhinotracheitis vaccine for the prevention of abortion in cattle. Smith, M.W., Miller, R.B., Svoboda, I. and Lawson, K.F., 63
Leptospirosis in the province of Quebec, serological diagnosis of. Higgins, R. and Cayouette, P., 13

Maedi-visna virus infection in rams in Nova Scotia. Stevenson, R.G., 159
Phycomycotic meningoencephalitis in a neonatal calf. Juck, F.A. and Smith, L.L., 75
Pulmonary thromboembolism in cattle due to thrombosis of the posterior vena cava associated with hepatic abscessation. Gudmundson, J., Radostits, O.M. and Doige, C.E., 304
Ringworm, use of Fungassay medium in the diagnoses of. Dion, W.M., 203
Salmonella arizonae, ovine fetal infection due to. Long, J.R., Finley, G.G., Clark, M.H. and Rehmtulla, A.J., 260
Salmonella in commercial pet foods. D'Aoust, J.Y., 99
Sporothrix schenkii, canine otis externa caused by the fungus. Dion, W.M. and Speckmann, G., 44
Tyzzer's disease in an Ontario rabbitry, an outbreak of. Ononiwu, J.C. and Julian, R.J., 107

Nutrition

Feeding and management in Saskatchewan dairy herds classified according to milk production level. Martin, L.J.F., Christensen, D.A. and Armstrong, K.R., 331

Ovine, *see* Sheep

Parasitology

Capillaria hepatica in a horse. Nation, P.N. and Dies, K.H., 315
Coccidiosis, clinical. Weber, L.J. 21
Coenurus in the brain of a cat. Hayes, M.A. and Creighton, S.R., 341
Heartworm in dogs in Canada in 1977. Slocombe, J.O.D., 244
Infestation with the thorny-headed worm *Polymorphus boschadis*, mortality in mute swans in southern Ontario associated with. Sanford, S.E., 234
Kidney worm infection in feral pigs in Canada with transmission to domestic swine. Smith, H.J. and Hawkes, A.B., 40
Nematodes in horses in a field trial, evaluation of cambendazole paste against. Slocombe, J.O.D. and Cote, J.F., 184
Tick paralysis in a dog. Burt, A.D., Gammie, J.S. and Ellis, S.E., 347

Pharmacology

Antibiotic resistance patterns of organisms isolated from cervico-vaginal mucus of cows. Panangla, V.S. and Barnum, D.A., 113
Bacitracin in the prevention and treatment of experimentally-induced necrotic enteritis in the chicken, use of. Prescott, J.F., Sivendra, R. and Barnum, D.A., 181
Calcium and phosphorous in parturient hypocalcaemia, relationship of methods of treatment to relapse rate and serum levels of. Curtis, R.A., Cote, J.F., McLennan, M.C., Smart, J.F. and Rowe, R.C., 155
Cambendazole paste against nematodes in horses in a field trial, evaluation of. Slocombe, J.O.D. and Cote, J.F., 184
Cloprostenol (a synthetic analogue of prostaglandin F_{2a}), induction of abortion in feedlot heifers with. Copeland, D.D., Schultz, R.H. and Kemtrup, M.E., 29
Drug resistance in avian coccidia. Lee, Eng-Hong, 174
Estrogens in conjunction with dexamethasone, induction of parturition in beef cattle using. Barth, A.D., Adams, W.M., Manns, J.C. and Rawlings, N.C., 175
Immobilizing drugs, abuse of. Haigh, J.C., 138
Induced ovulation and synchronized breeding of prepuberal gilts. Callaghan, B. and King, G.J., 90
Progestogen therapy for certain skin diseases of cats. Hutchison, J.A., 324
Prostaglandin analog ICI80996 in cattle, therapeutic evaluation of the use of. Wenkoff, M.S., 277

Physiology

Glucagon and insulin in the regulation of metabolism in ruminants, roles of. Brockman, R.P., 55
Hyperadrenocorticism in dogs. Spearman, J.G. and Little, P.B., 33
Metabolic profiles of beef cattle. Bide, R.W., 344

Pigs, *see* Swine

Rabbits

Outbreak of Tyzzer's disease in an Ontario rabbitry. Ononiwu, J.C. and Julian, R.J., 107

Reproduction

Cloprostenol (a synthetic analogue of prostaglandin F_{2a}), induction of abortion in feedlot heifers with. Copeland, D.D., Schultz, R.H. and Kemtrup, M.E., 29
Mycotoxin-induced abortions in swine. Weaver, G.A., Kurtz, H.J., Mirocha, C.J., Bates, F.Y., Behrens, J.C., Robison, T.S. and Gipp, W.F., 72
Ovine abortion due to chlamydia in Ontario. Palmer, N.C., Gagnon, A.N. and Kierstead, M., 204
Parturition in beef cattle using estrogens in conjunction with dexamethasone, induction of. Barth, A.D., Adams, W.M., Manns, J.C. and Rawlings, N.C., 175
Porcine reproduction, effect of T-2 toxin on. Weaver, G.A., Kurtz, H.J., Mirocha, C.J., Bates, F.Y., Behrens, J.C. and Robison, T.S., 310
Prevention of abortion in cattle, efficacy of an intranasal infectious bovine rhinotracheitis vaccine for the. Smith, M.W., Miller, R.B., Svoboda, I. and Lawson, K.F., 63
Repeat breeder cows, microflora of the cervicovaginal mucus of. Panangala, V.S., Fish, N.A. and Barnum, D.A., 83
Reproduction in the pedigree female cat. Povey, R.C., 207
Reproductive performance in beef cattle in western Canada, some observations on. Janzen, E., 335
Synchronized breeding of prepuberal gilts, induced ovulation and. Callaghan, B. and King, G.J., 90

Sheep and Goats

Maedi-visna virus infection in rams in Nova Scotia. Stevenson, R.G., 159
Ovine abortion due to chlamydia in Ontario. Palmer, N.C., Gagnon, A.N. and Kierstead, M., 204
Ovine fetal infection due to *Salmonella arizonae*. Long, J.R., Finley, G.G., Clark, M.H. and Rehmtulla, A.J., 260

Roles of glucagon and insulin in the regulation of metabolism in reminants-A review. Brockman, R.P., 55

Surgery

Affections de la caillette chez la vache laitière au Québec I. Revue de littérature, diagnostic différential et correction chirurgicale. St-Pierre, H., Lamothe, P. et Ménard, L., 3

Affections de la caillette chez la vache laitière au Québec II. Étude rétrospective de 1000 cas. Ménard, L., St-Pierre, H. et Lamothe, P., 143

Short bowel syndrome following surgical correction of a double intussusception in a dog. Joy, C.L. and Patterson, J.M., 254

Surgical treatment of upper esophageal obstruction in the bovine. Meagher, D.M. and Mayhew, I.G., 128

Swine

Acute toxicity of the mycotoxin diacetoxyscirpenol in swine. Weaver, G.A., Kurtz, H.J., Mirocha, C.J., Bates, F.Y. and Behrens, J.C., 267

Effect of gasoline contamination of the water supply on the growth and water consumption of pigs. Mitchell, L.H., Brown, R.G. and Dent, J.W., 10

Effect of T-2 toxin on porcine reproduction. Weaver, G.A., Kurtz, H.J., Mirocha, C.J., Bates, F.Y., Behrens, J.C. and Robison, T.S., 310

Induced ovulation and synchronized breeding of prepuberal gilts. Callaghan, B. and King, G.J., 90

Kidney worm infection in feral pigs in Canada with transmission to domestic swine. Smith, H.J. and Hawkes, A.B., 40

Mycotoxin-induced abortions in swine. Weaver, G.A., Kurtz, H.J., Mirocha, C.J., Bates, F.Y., Behrens, J.C., Robison, T.S. and Gipp, W.F., 72

Preliminary evaluation of the accuracy of four water proportioners used to medicate hogs. Fast, H. and Van Ee, D., 101

Some heterotopic tissue remnants in domestic animals. Bundza, A. and Dukes, T.W., 322

Techniques

Diagnosis of ringworm, use of Fungassay medium in the. Dion, W.M., 203

Electrode-saddle for electrocardiogram recording in large animals. DeRoth, L. and Therien, A., 248

Radiographic prospective: maternal-fetal evaluation in suspected canine dystocia. Farrow, C.S., 24

Water proportioners used to medicate hogs, evaluation of the accuracy of four. Fast, H. and Van Ee, D., 101

Toxicology

Cyanide poisoning from *Glyceria grandis* S. Wats *ex* Gray (tall mannagrass) in a British Columbia beef herd. Puls, R., Newschwander, F.P. and Greenway, J.A., 264

Gasoline contamination of the water supply on the growth and water consumption of pigs, effect of. Mitchell, L.H., Brown, R.G. and Dent, J.W., 10

Japanese yew (*Taxus cuspidata*) poisoning in cattle. Thomson, G.W. and Barker, I.K., 320

Mycotoxin diacetoxyscirpenol in swine, acute toxicity of. Weaver, G.A., Kurtz, H.J., Mirocha, C.J., Bates, F.Y. and Behrens, J.C., 267

Mycotoxin-induced abortions in swine. Weaver, G.A., Kurtz, H.J., Mirocha, C.J., Bates, F.Y., Behrens, J.C., Robison, T.S. and Gipp, W.F., 72

Salt poisoning in cattle, acute. Sandals, W.C.D., 136

T-2 toxin on porcine reproduction, effect of. Weaver, G.A., Kurtz, H.J., Mirocha, C.J., Bates, F.Y., Behrens, J.C. and Robison, T.S., 310

Vaccines

Broiler-breeder vaccination against infectious bursal disease and persistence of maternal antibody in progeny. Ide, P.R., Schulte-Nordholt, J.A., DeWitt, W.F. and Smith, J.D., 123

Intranasal infectious bovine rhinotracheitis vaccine for the prevention of abortion in cattle, efficacy of an. Smith, M.W., Miller, R.B., Svoboda, I. and Lawson, K.F., 63

Veterinary Profession

Canadian Veterinary Medical Association — democracy or oligarchy? Kirby, D.R., McNabb, R.F., Celerin, A.J., Luczak, P.V. and Pitt, A.M., 46

Canadian Veterinary Medical Association — democracy or oligarchy: A member comments. Lord, L.H., 180

Canadian Veterinary Medical Association — democracy or oligarchy: A reply. Vance, H.N., 197

Canadian Veterinary Medical Association — democracy or oligarchy: A reply from the president. Mears, R.H., 173

Combining research with veterinary practice. Rossdale, P.D., 327

Comment on manpower. Kirby, D.R., 12

Euthanasis of dogs and cats: a statement by The Humane Practices Committee of the CVMA, 164

Euthanasie des chiens et des chats: un exposé préparé par le Comité des Pratiques Humanitaires de l'ACV, 168

How the right words can make the wrong impression. Levoy, R.P., 27

Practice management — large animal. Galloway, G.E., 293

Practice management — small animal. MacKay, C.A., 299

Tested tips for interviewing job applicants. Levoy, R.P., 140

Wildlife and Zoo Animals

Abuse of wildlife immobilizing drugs. Haigh, J.C., 138

Brucellosis and wildlife. Hudson, M., 139

Evaluation of rabies control in skunks in Alberta. Gunson, J.R., Dorward, W.J. and Schowalter, D.B., 214

Mortality in mute swans in southern Ontario associated with infestation with the thorny-headed worm, *Polymorphus boschadis*. Sanford, S.E., 234

Necropsy results in free-flying and captive *Anatidae* in British Columbia. MacNeill, A.C. and Barnard, T., 17

Spontaneous aleutian disease in ferrets. Daoust, P.Y. and Hunter, D.B., 133